(19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 25 March 2004 (25.03.2004)

PCT

(10) International Publication Number WO 2004/024039 A3

- (51) International Patent Classification7: A61F 2/46, 2/44
- (21) International Application Number:

PCT/US2003/028878

(22) International Filing Date:

12 September 2003 (12.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/410,458 60/423,864

13 September 2002 (13.09.2002) US 5 November 2002 (05.11.2002) US

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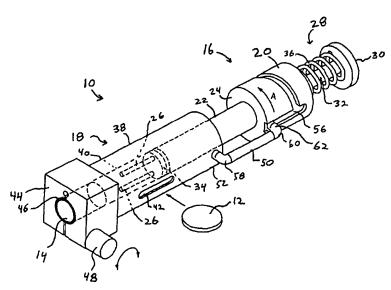
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: IMPLANT MANIPULATION AND STORAGE TOOLS



(57) Abstract: There is disclosed a manipulation and storage tool (10) for receiving and manipulating a partially dehydrated intervertebral disk. Manipulation and storage tool (10) is configured to receive the disk (12) and manipulate it into a smaller overall size and subsequently insert it into a temporary storage or sleeve device (14) for later use. Manipulation and storage tool (10) generally includes a manipulation assembly (16) which is movably mounted with respect to a guide assembly. The guide assembly (18) includes a throughbore (40) and a slot (42) for receiving the disk (12) into the throughbore (40) as well as a sleeve holder (44) mounted at a distal end designed to retain a storage device or sleeve (14) into which the manipulated disk (12) is inserted. The manipulation assembly includes a drive member (20) and at least one manipulation member.

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
- (88) Date of publication of the international search report: 22 July 2004

Initiational Application No PC1/US 03/28878

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A. CLASSI IPC 7	FICATION OF SUBJECT MATTER A61F2/46 A61F2/44			
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B. FIELDS	SEARCHED			
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	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3018	Lickel,	A	

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Box I Observations where certain claims were found unsearchable (Continuation of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: _because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.;
because they relate to parts of the International Application that do not comply with the prescribed requirements to such
an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
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Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
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2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
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3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
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4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
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Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-16

A tool suitable for manipulating a flexible intervertebral implant, comprising a guide assembly having a chamber, and a manipulation assembly movably within the chamber and engageable with the flexible intervertebral implant in said chamber to manipulate it into a smaller dimension; and a method of manipulating a flexible intervertebral implant comprising the steps of providing a guide assembly having a chamber, and a manipulation assembly movable within the chamber so to engage the intervertebral implant to alter it in shape.

2. Claims: 17-20

A system for inserting an intervertebral implant into an intervertebral disk space comprising, a guide member having a chamber, a manipulation member movable within the chamber, a storage member, and an insertion tool.

3. Claims: 21-36, 42,43

An intervertebral implant folding apparatus comprising, among others, an intervertebral implant folding device having first and second jaws movably relative to each other, and a method of folding a surgical intervertebral implant comprising, among others, the step of providing a folding apparatus having a pair of jaws movable relative to each other.

4. Claims: 37-40

A surgical instrument for driving a folded intervertebral implant through a tube into a body, comprising a body portion having a fixed and a movable handle, and a pusher ride movable through the body portion due to actuation of the movable handle.

5. Claim: 41

A surgical instrument assembly for insertion of a folded intervertebral implant into a body comprising a transfer tube, a working sleeve and a surgical instrument engageable with the proximal end of the transfer tube.

information on patent family members

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